

## ABSTRACT

A radio-filter of combline structure with a capacitor compensation circuit, having a transmission line filter with at least one pair of transmission lines arranged between input and output terminals for filtering the input signals through the input terminal to select signals of a given frequency band delivered to the output terminal, each of the transmission lines having a via-hole at each of its ends, a capacitor compensator of lumped element connected through one of the via-holes to one of the transmission lines for providing capacitance between the transmission line and ground, and a ground layer connected to the other via-hole not connected with the transmission line to ground the transmission line.